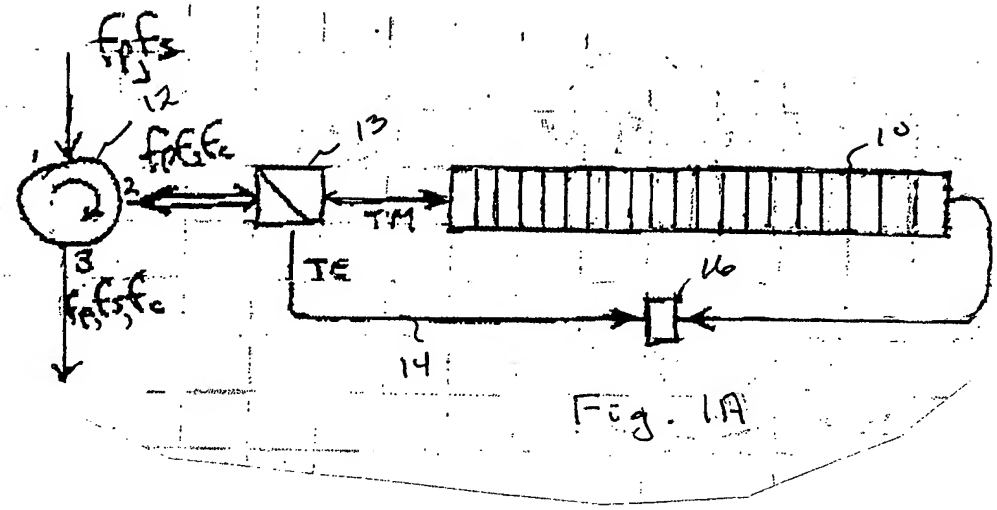


Fig. 1A

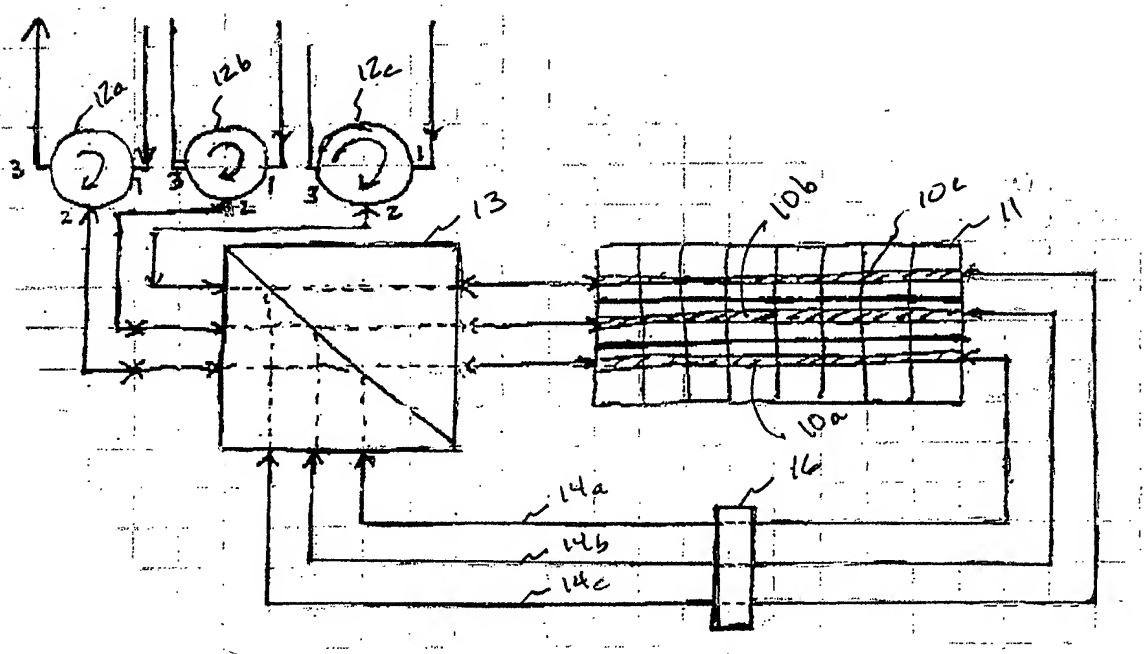


Fig. 1B

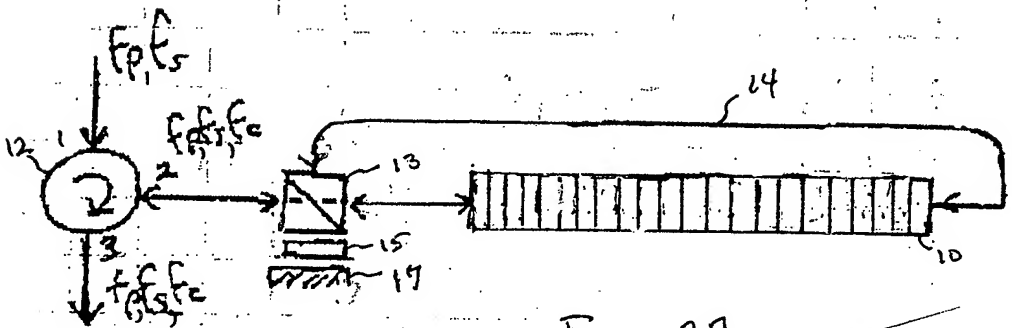


Fig. 2A

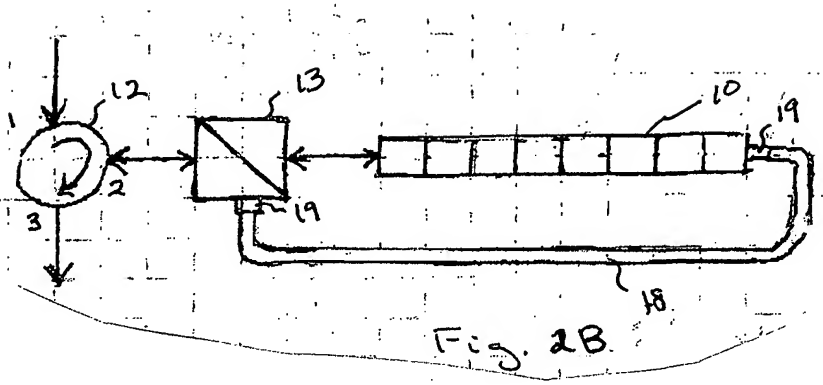


Fig. 2B

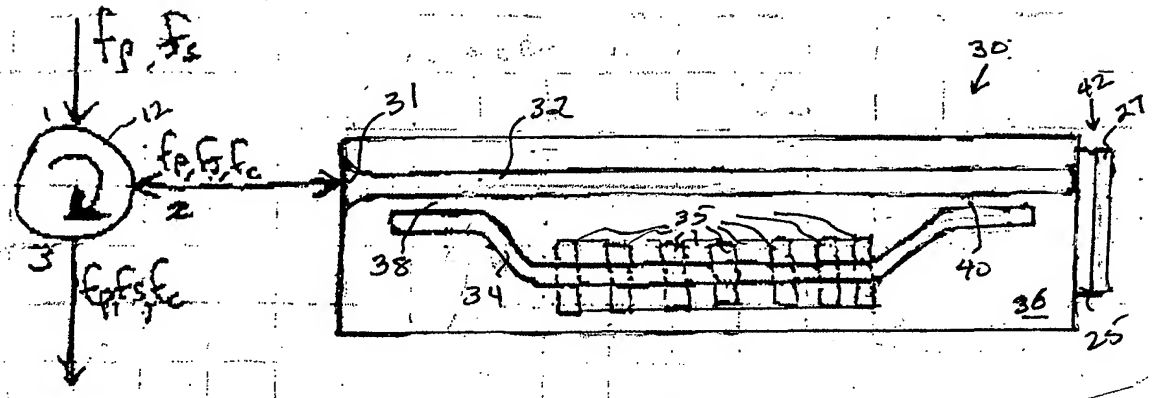


Fig. 3

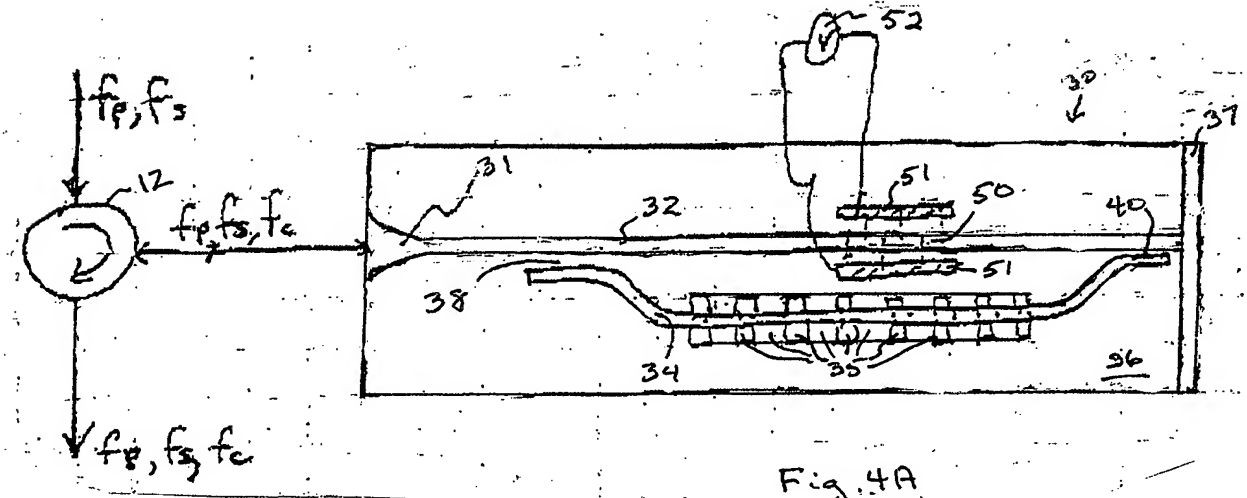
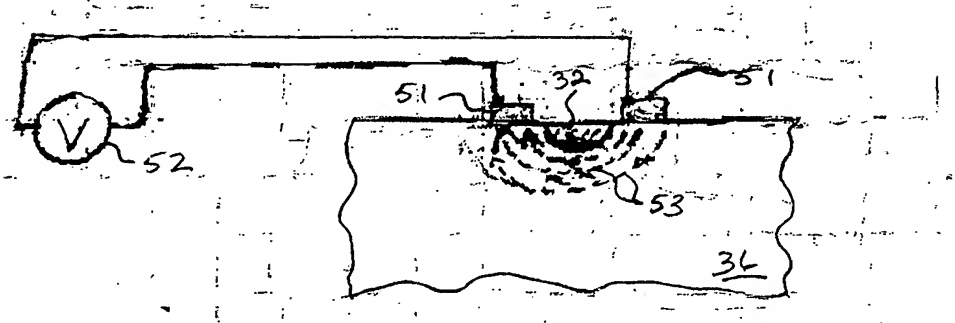


Fig. 4A



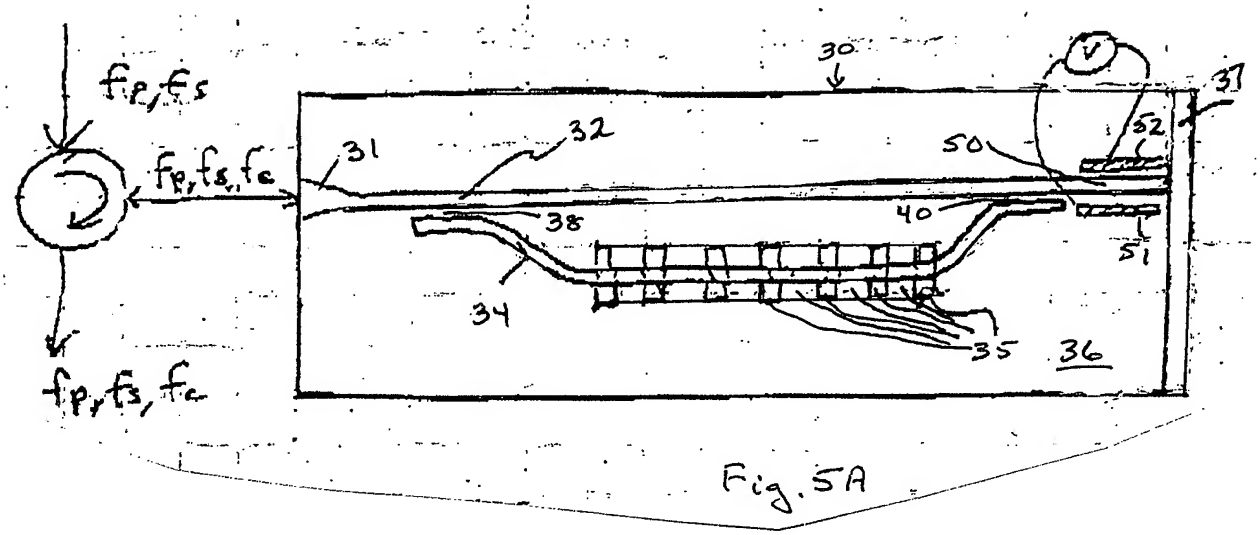


Fig. 5A

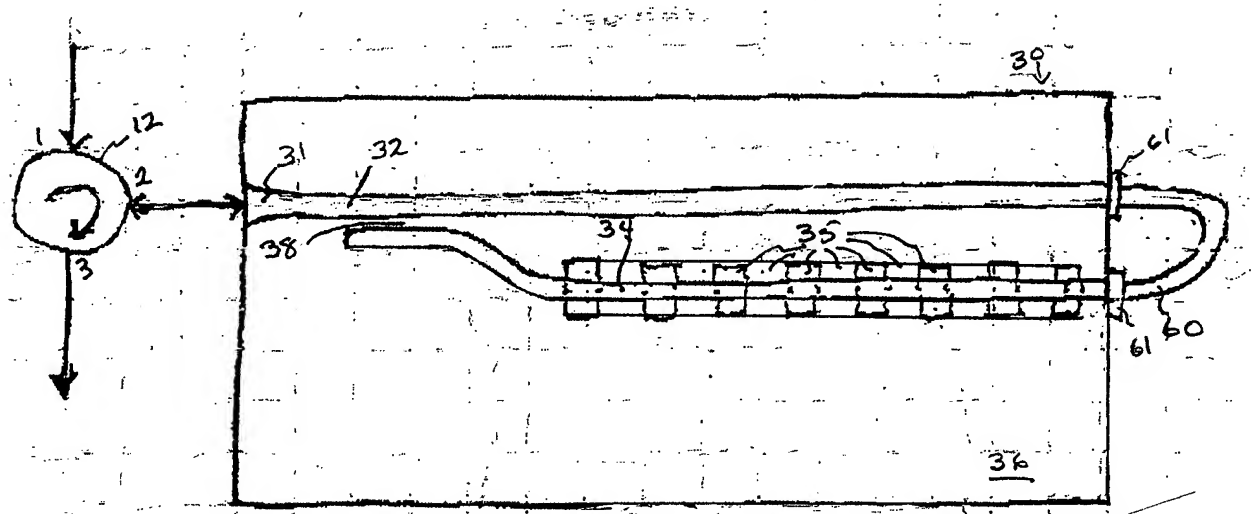


Fig. 5B

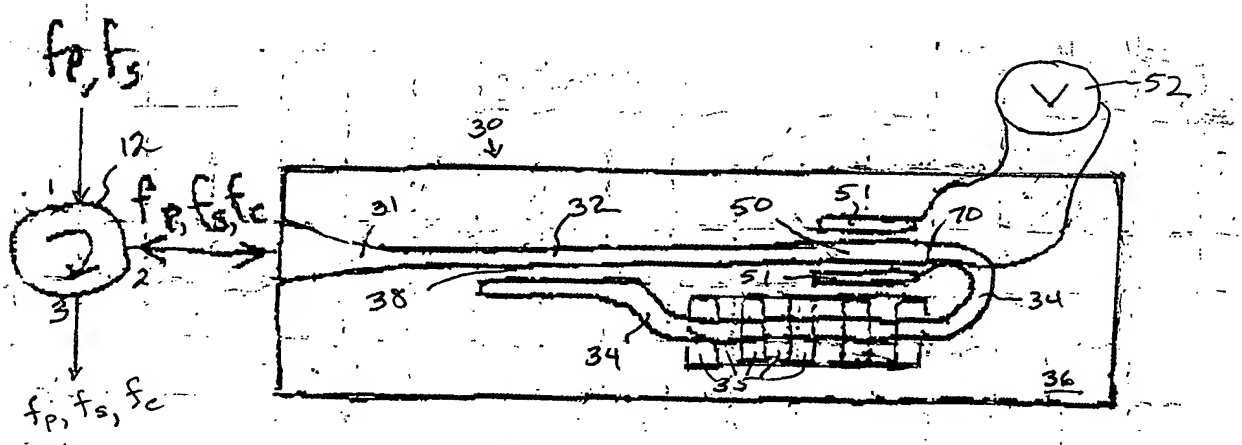


Fig. 5C

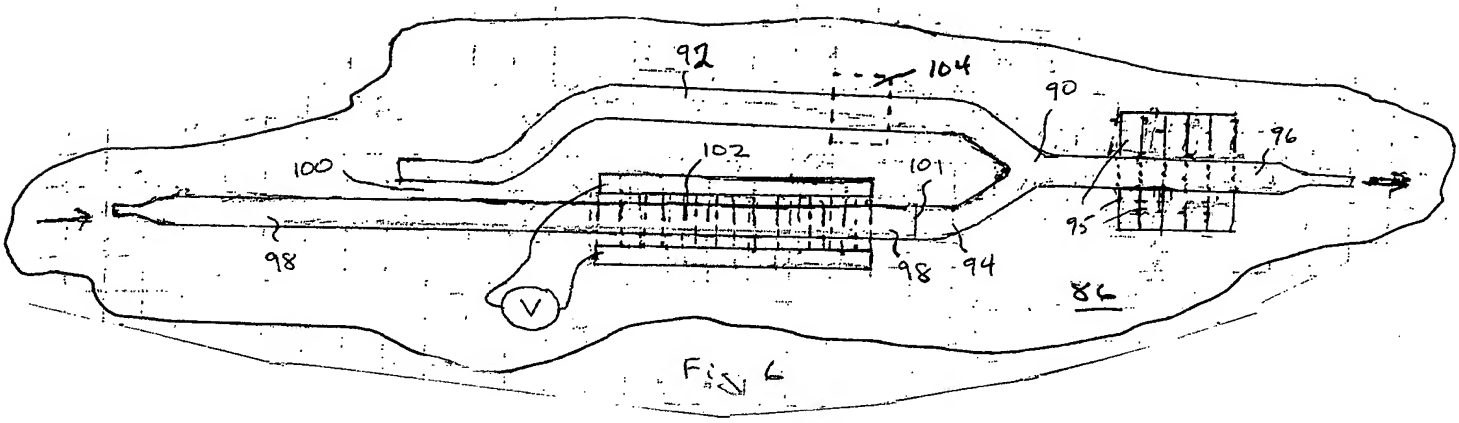


Fig 6

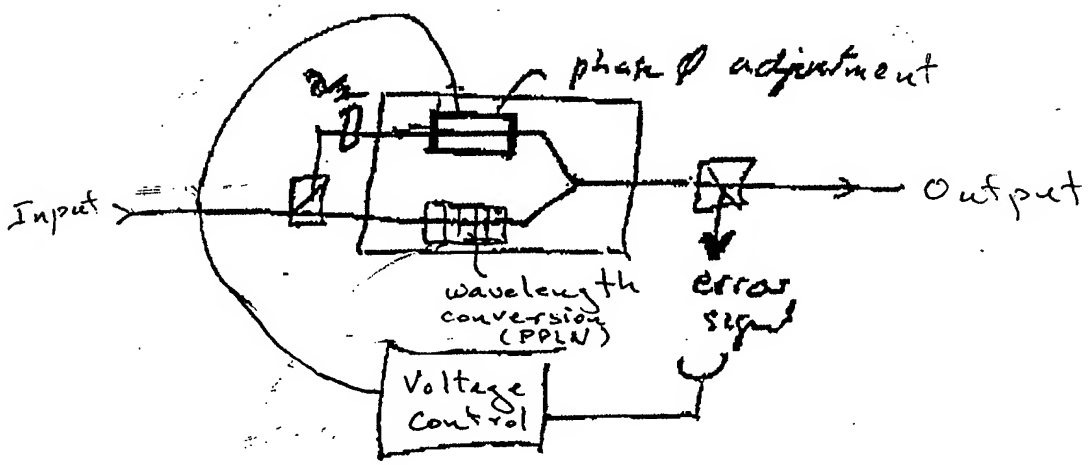


Fig. 8

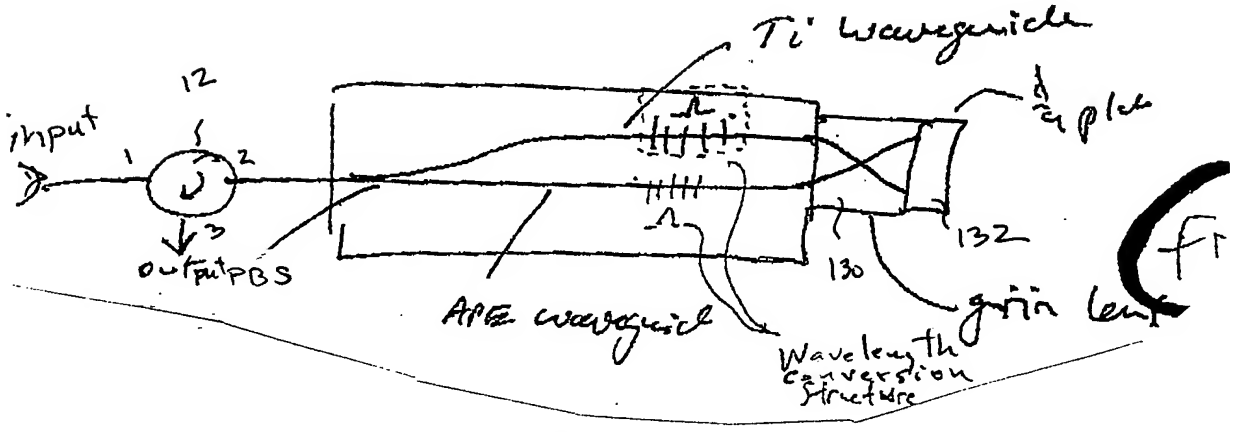


Fig. 9

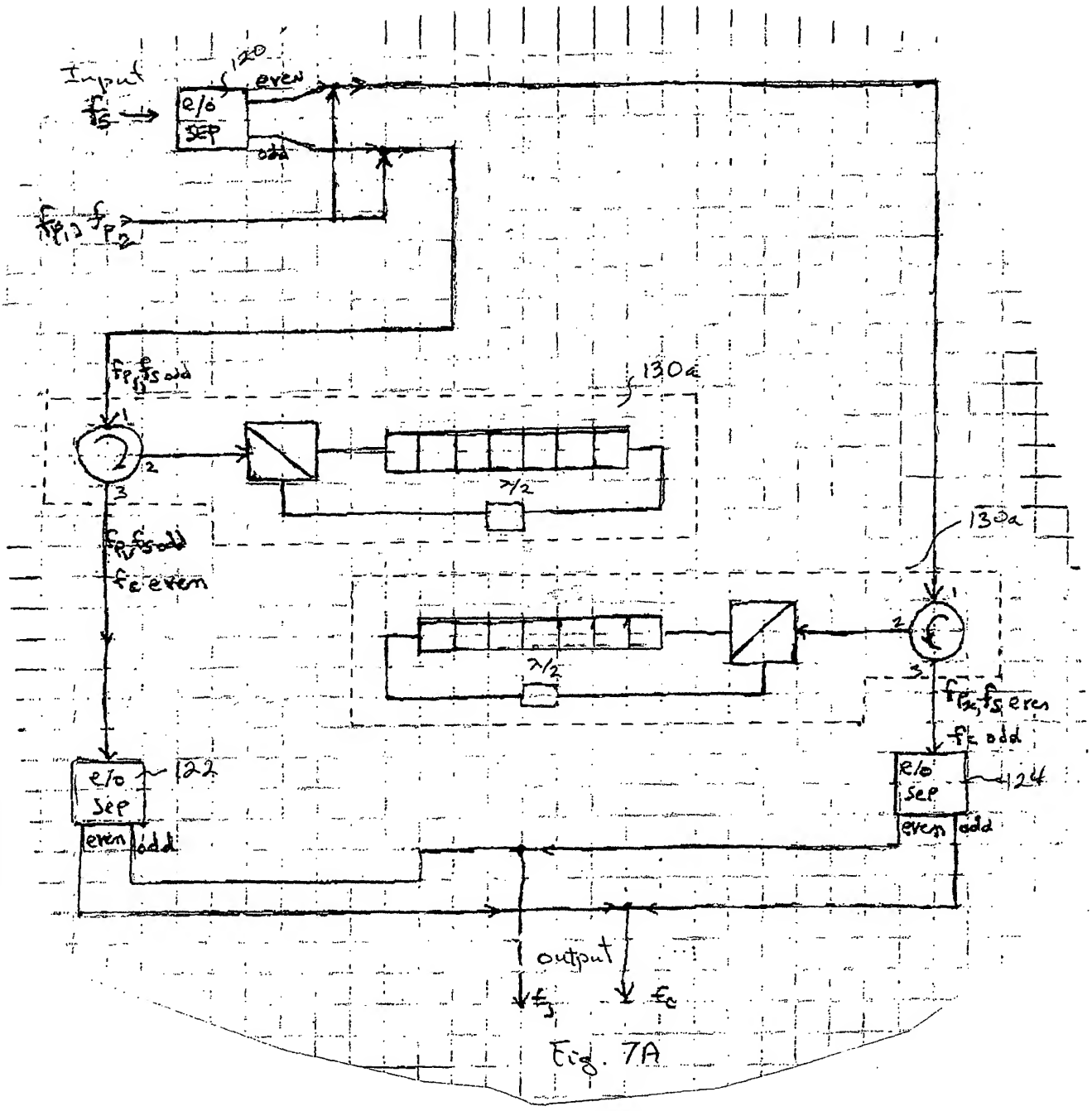

Input
f_s
e/o Sep
even
odd
120
f_{p1} f_{p2}
f_{p1} $f_{s\,odd}$
130a
1
2
3
$\lambda/2$
f_{p1} $f_{s\,odd}$
f_c even
130a
f_{p2} $f_{s\,even}$
f_c odd
e/o Sep
122
even
odd
e/o Sep
124
even
odd
output
f_s
f_c

Fig. 7A

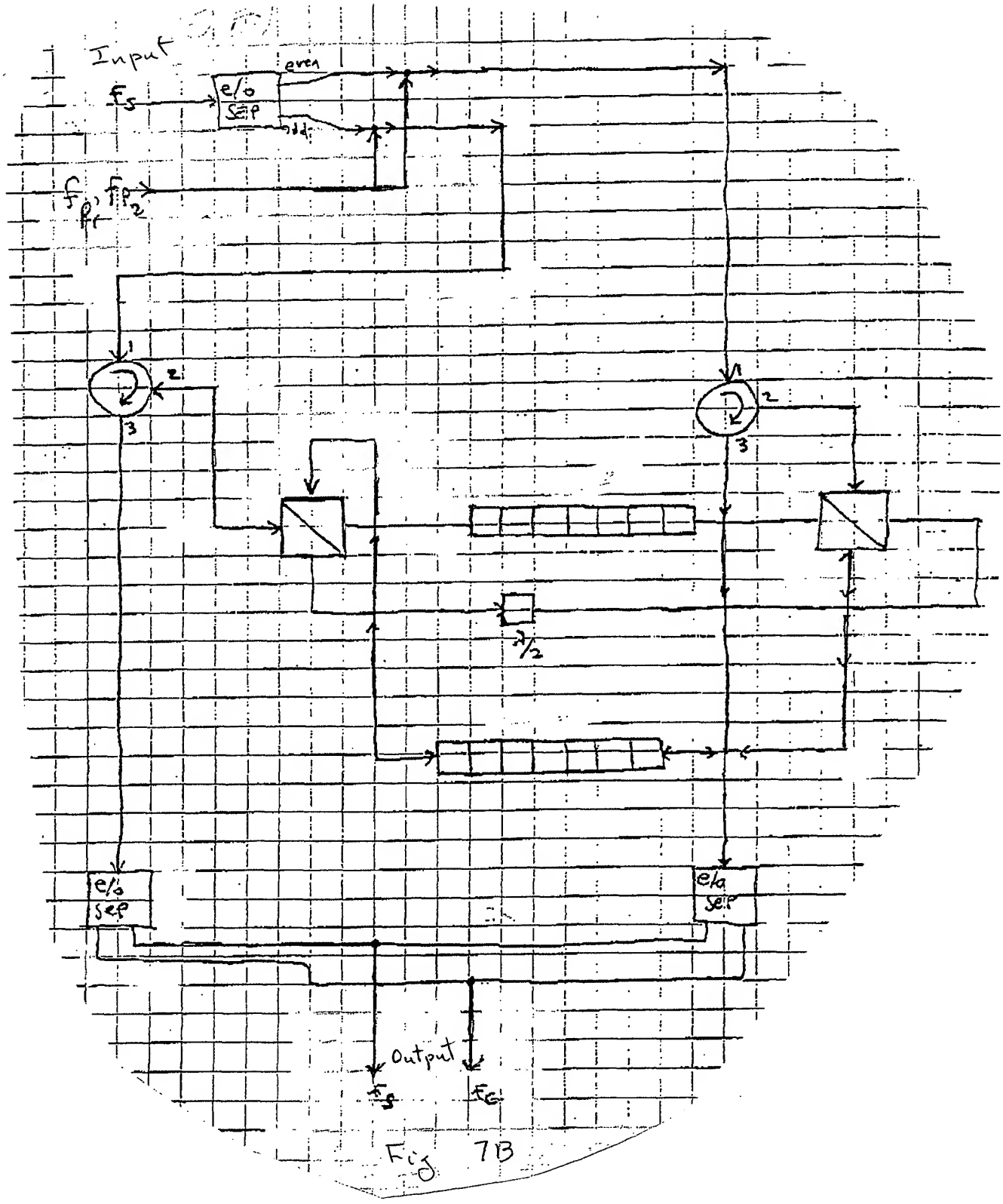


Fig 7B

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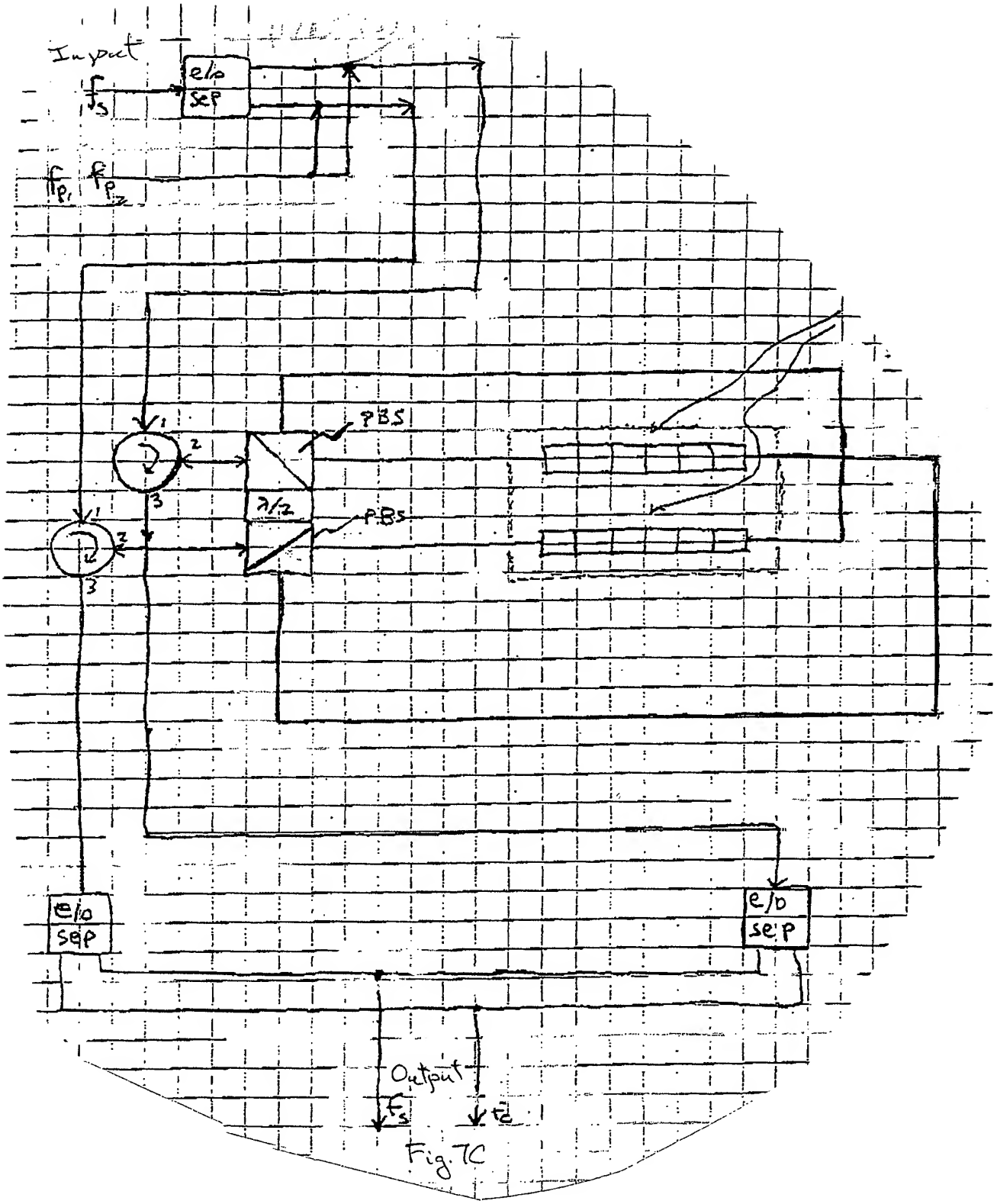


Fig. 7C

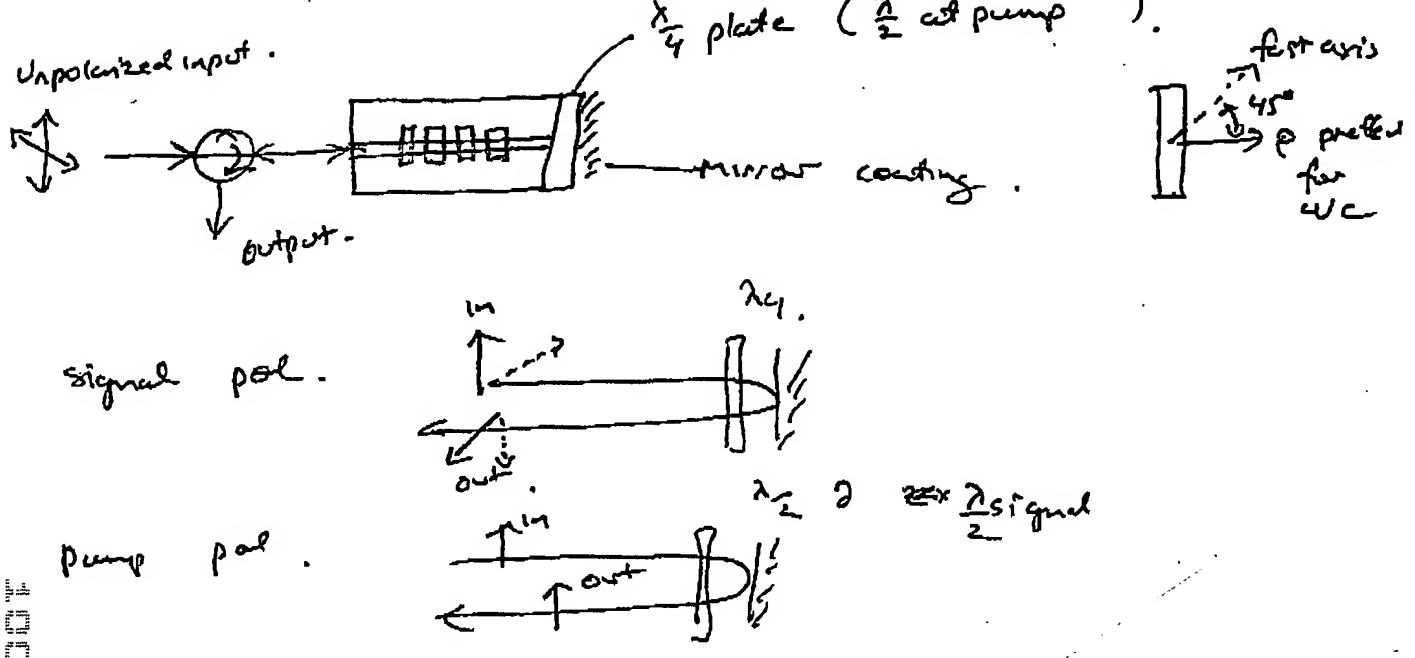
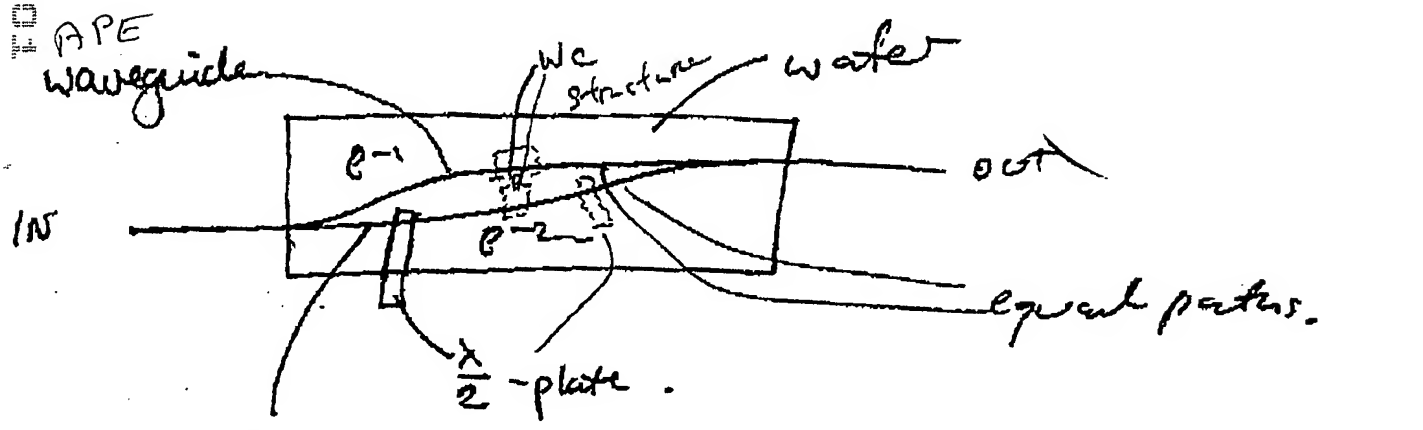


Fig. 10



Ti - waveguide - supports orthogonal p.

Fig. 11